



SUSTAINABILITY DATA SHEET



316L STAINLESS STEEL HARDWARE

LEED



316L stainless steel products contribute to LEED credits.

EPD



316L stainless steel products have an Environmental Product Declaration (EPD).

RED LIST FREE DECLARE LABEL

316L stainless steel products offer Red List Free Declare Label.



Declare.
LOCKING AND NON-LOCKING LADDER PULLS, PULLS IN 316L STAINLESS STEEL
pba

Final Assembly: Tezze sul Brenta, Vicenza, Italy
Life Expectancy: 20 Year(s)
Embodied Carbon: 31 kg CO2 eq
Declared Unit: 1 kg
End of Life Options: Recyclable (100%)

Ingredients:
STEEL 1.4404 UNS S31603: Stainless steel AISI 316L; STEEL 1.0775 UNS G12150: Free-machining steel; ZAMAK ZL0410 UNS Z3531: Zinc casting alloy; BRASS UNS C28000: Brass; ALUMINUM AW-6060 UNS A90606: Aluminum alloy 6060; STEEL 1.4305 UNS S30300: Stainless steel; STEEL 1.4301 UNS S30400: Stainless steel; POLYAMIDE PA6: Polyamide; STEEL: Steel; Powder coat: Fatty acids, castor-oil, caustic-oxidized, dieth. residues, esters with 1,3-butandiol; Barium sulfate; Titanium dioxide

Living Building Challenge Criteria: Compliant

H13 Red List
 LBC Red List Free % Disclosed: 100% at 100ppm
 LBC Red List Approved VOC Content: Not Applicable
 Declared

H10 Interior Performance: Not Applicable
H14 Responsible Sourcing: Not Applicable

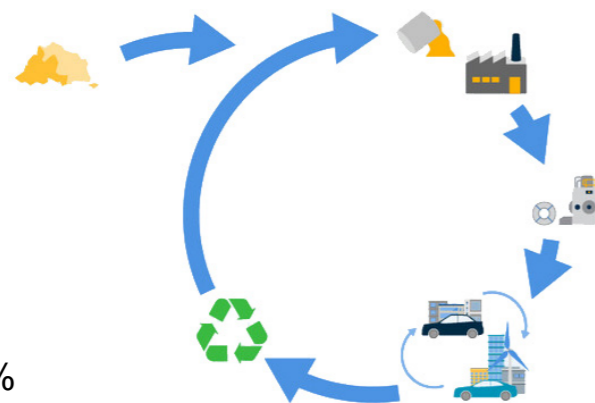
PBA-0003

INTERNATIONAL LIVING FUTURE INSTITUTE™ livingfuture.org/declare

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT



Pre consumer 4%
Post consumer 50%



PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

316L stainless steel products have been designed and produced to be fully disassembled therefore 100% recyclable at the end of their life.



VOCs

The 316L stainless steel products do not include integral organic based surface coatings, binders, or sealants. Therefore products are inherently non emitting sources of VOCs and are considered fully compliant.

REACH

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.



316L stainless steel products contribute to LEED credits.



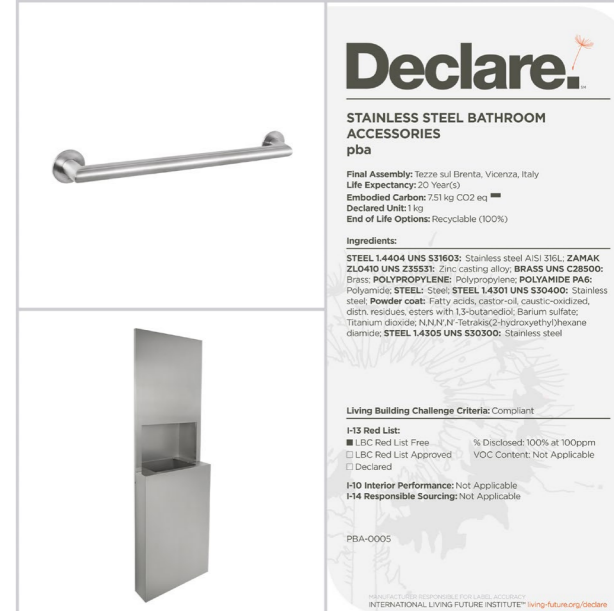
316L stainless steel products have an Environmental Product Declaration (EPD).



316L STAINLESS STEEL BATHWARE

RED LIST FREE DECLARE LABEL

316L stainless steel bathroom accessories and grab bars offer Red List Free Declare Label.

Declare.
STAINLESS STEEL BATHROOM ACCESSORIES
pba

Final Assembly: Treviso sul Brenta, Vicenza, Italy
Life Expectancy: 20 Year(s)
Embodied Carbon: 751 kg CO2 eq
Declared Unit: 1kg
End of Life Options: Recyclable (100%)

Ingredients:
STEEL 1.4404 UNS S31603: Stainless steel AISI 316L; ZAMAK ZL0410 UNS Z35531: Zinc casting alloy; BRASS UNS C28500: Brass; POLYPROPYLENE: Polypropylene; POLYAMIDE PA6: Polyamide; STEEL: Steel; STEEL 1.4301 UNS S30400: Stainless steel; Powder coat: Fatty acids, castor-oil, carboxylic acid, distillate residues, esters with 1,3-butandiol; Barium sulfate; Titanium dioxide; N,N,N'-Tetraalkylhydroxyethylhexane diamide; STEEL 1.4305 UNS S30300: Stainless steel

Living Building Challenge Criteria: Compliant

I-13 Red List:
 LBC Red List Free
 LBC Red List Approved
 Declared

I-10 Interior Performance: Not Applicable
 I-14 Responsible Sourcing: Not Applicable

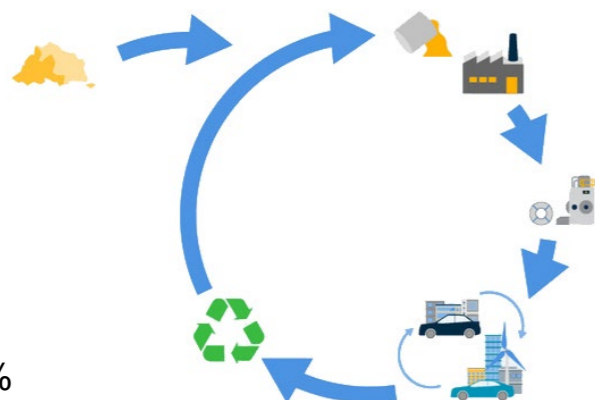
PBA-0005

INTERNATIONAL LIVING FUTURE INSTITUTE™ <http://future.org/declare>

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT

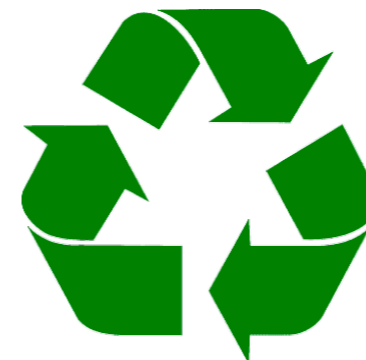


Pre consumer 2%
Post consumer 47%



PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

316L stainless steel products have been designed and produced to be fully disassembled therefore 100% recyclable at the end of their life.



VOCs

The 316L stainless steel products do not include integral organic based surface coatings, binders, or sealants. Therefore products are inherently non emitting sources of VOCs and are considered fully compliant.

REACH

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.



ECONYL® REGENERATED NYLON AND 316L STAINLESS STEEL HARDWARE

LEED



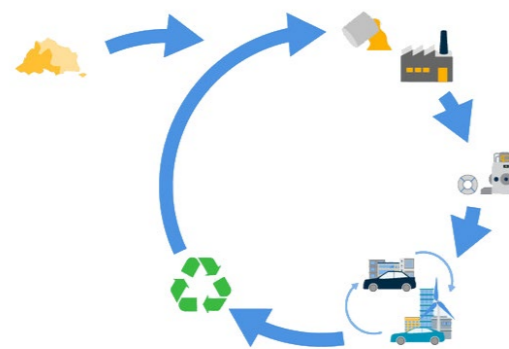
ECONYL® regenerated nylon and 316L stainless steel products contribute to LEED credits.

EPD



ECONYL® regenerated nylon and 316L stainless steel products have an Environmental Product Declaration (EPD).

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT



ECONYL® regenerated nylon
Pre consumer 50%
Post consumer 50%

Stainless steel 316L
Pre consumer 0%
Post consumer 55%

PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

ECONYL® regenerated nylon and 316L stainless steel products are made of fully recyclable 316L stainless steel and fully regenerated and fully recyclable ECONYL®. Products can be completely dismantled for recycling.



VOCs

The ECONYL® regenerated nylon and 316L stainless steel products do not include integral organic based surface coatings, binders, or sealants. Products are non emitting sources of VOCs and are considered fully compliant.

REACH

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.



LEED

EPD



Aluminum products contribute to LEED credits.

Aluminum products have an Environmental Product Declaration (EPD).

RED LIST FREE DECLARE LABEL

Aluminum products offers Red List Free Declare Label.



Declare.
LOCKING AND NON-LOCKING LADDER PULLS, PULLS IN ALUMINUM
pba

Final Assembly: Tecco sul Brenta, Vicenza, Italy
Life Expectancy: 20 Year(s)
Embodied Carbon: 5.92 kg CO2 eq
Declared Unit: 1 kg
End of Life Options: Recyclable (100%)

Ingredients:
ALUMINUM AW-6060 UNS A96060: Aluminum alloy 6060;
ALUMINUM AW-6063 UNS A96063: Aluminum alloy; STEEL 1.0719 UNS G12190: Free-machining steel; ZAMAK ZL0410 UNS Z353E: Zinc casting alloy; STEEL 1.4404 UNS S31603: Stainless steel AISI 316L; BRASS UNS C28500: Brass; STEEL 1.4301 UNS S30400: Stainless steel; STEEL 1.4305 UNS S30300: Stainless steel; POLYAMIDE PA6: Polyamide; STEEL: Steel; Aluminum oxide: Aluminum Oxide; Powder coat: Fatty acids, castor-oil, caustic-oxidized, diisn-resin, esters with 1,3-butadiene, Barium sulfate, Titanium dioxide

Living Building Challenge Criteria: Compliant

I-13 Red List: LBC Red List Free % Disclosed: 100% at 100ppm
 LBC Red List Approved VOC Content: Not Applicable
 Declared

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

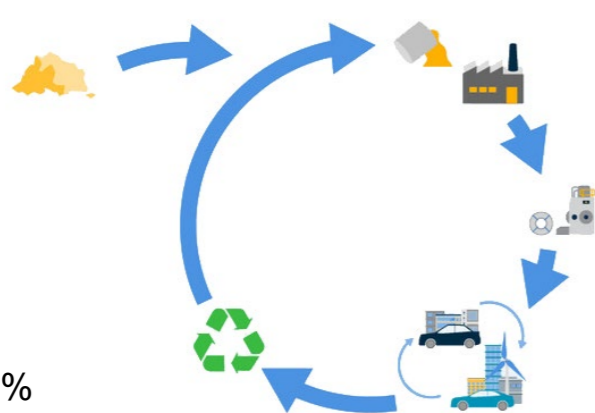
PBA-0002

ALUMINUM HARDWARE

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT



Pre consumer 31%
Post consumer 55%



PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

Aluminum products have been designed and produced to be fully disassembled therefore 100% recyclable at the end of their life.



VOCs


The Aluminum products do not include integral organic based surface coatings, binders, or sealants. Therefore products are inherently non emitting sources of VOCs and are considered fully compliant.

REACH

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.



LEED



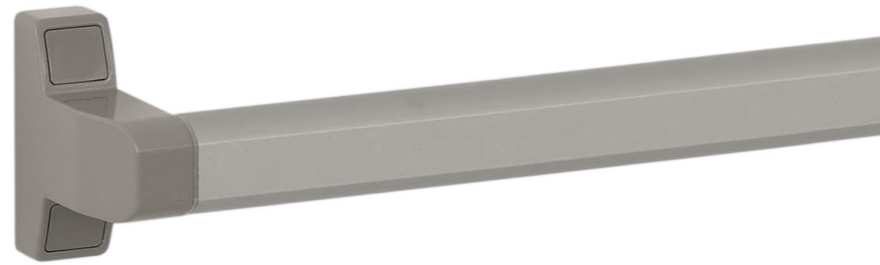
Aluminum products contribute to LEED credits.

EPD

THE INTERNATIONAL EPD® SYSTEM



Aluminum products have an Environmental Product Declaration (EPD).



ALUMINUM BATHWARE

CYTOTOXICITY

CYTOTOXICITY TEST*



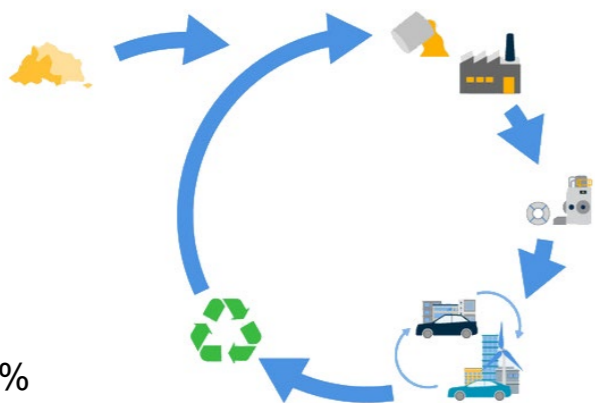
Cytotoxicity test to DIN EN ISO 10993-5

*aluminum

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT



Pre consumer 31%
Post consumer 55%



PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

Aluminum products have been designed and produced to be fully disassembled therefore 100% recyclable at the end of their life.



VOCs



The Aluminum products do not include integral organic based surface coatings, binders, or sealants. Therefore products are inherently non emitting sources of VOCs and are considered fully compliant.

REACH

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.



**POLYAMIDE 6
HARDWARE**

LEED	EPD
 <p>Polyamide 6 products contribute to LEED credits.</p>	 <p>Polyamide 6 products have an Environmental Product Declaration (EPD).</p>

CYTOTOXICITY

CYTOTOXICITY TEST

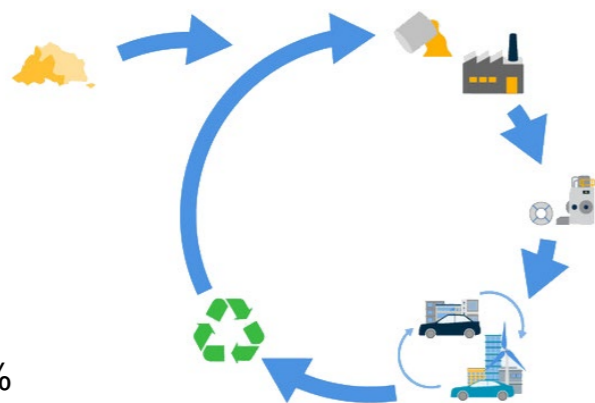


Cytotoxicity test to DIN EN ISO 10993-5

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT



Pre consumer 3%
Post consumer 8%



PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

Polyamide 6 products have been designed and produced to be fully disassembled therefore 100% recyclable at the end of their life.



VOCs




Polyamide 6 products have been tested for emission of volatile organic compounds (VOC) using testing chamber method in accordance with UNI EN ISO 16000-9:2006.

REACH

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.




LEED



Polyamide 6 products contribute to LEED credits.

EPD

THE INTERNATIONAL EPD® SYSTEM



Polyamide 6 products have an Environmental Product Declaration (EPD).



POLYAMIDE 6 BATHWARE

CYTOTOXICITY

CYTOTOXICITY TEST



Cytotoxicity test to DIN EN ISO 10993-5

PERCENTAGE OF PRE-CONSUMER AND POST-CONSUMER FOR THE RECYCLED CONTENT

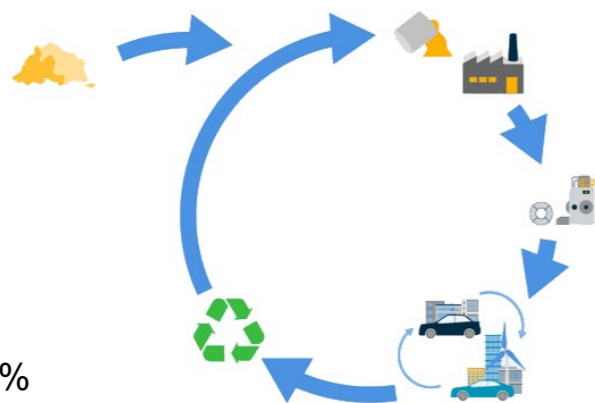
PRODUCTS FULLY RECYCLABLE AT THE END OF THEIR LIFE

VOCs

REACH



Pre consumer 11%
Post consumer 34%



Polyamide 6 products have been designed and produced to be recyclable at the end of their life.



Polyamide 6 products have been tested for emission of volatile organic compounds (VOC) using testing chamber method in accordance with UNI EN ISO 16000-9:2006.

pba has fully inventoried chemical ingredients to 100 ppm and assess each substance against the Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list, proving that no such substance is included.